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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/653,801	09/01/2000	Uri Rosenschein	02717/014 MWS:jm	6665	
26418	7590 12/27/2002				
REED SMITH, LLP ATTN: PATENT RECORDS DEPARTMENT 599 LEXINGTON AVENUE, 29TH FLOOR			EXAMINER		
			SMITH, RUTH S		
NEW YORK,	NY 10022-7650		ART UNIT PAPER NUMBER		
			3737		
			DATE MAILED: 12/27/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

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:	Application No.	Applicant(s)	<del></del>
•	09/653,801	ROSENSCHEIN ET AL.	
Office Action Summary	Examiner	Art Unit	
	Ruth S Smith	3737	
The MAILING DATE of this communication Period for Reply	n appears on the cover sheet	with the correspondence address	
A SHORTENED STATUTORY PERIOD FOR F THE MAILING DATE OF THIS COMMUNICAT  - Extensions of time may be available under the provisions of 37 O after SIX (6) MONTHS from the mailing date of this communicati  - If the period for reply specified above is less than thirty (30) days  - If NO period for reply is specified above, the maximum statutory  - Failure to reply within the set or extended period for reply will, by  - Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).  Status	ION.  CFR 1.136(a). In no event, however, may so ion.  s, a reply within the statutory minimum of the period will apply and will expire SIX (6) More statute, cause the application to become	a reply be timely filed  sirty (30) days will be considered timely.  DNTHS from the mailing date of this communicat  ABANDONED (35 U.S.C. § 133).	lion.
1) Responsive to communication(s) filed or	n <u>12 August 2002</u> .		
2a) ☐ This action is <b>FINAL</b> . 2b) ∑	This action is non-final.		
3) Since this application is in condition for a closed in accordance with the practice u			s is
Disposition of Claims	es mandina in the annihation		
4) Claim(s) 1,5-16,18,35,36 and 38-41 is/ar			
4a) Of the above claim(s) <u>38-41</u> is/are wit	ndrawn from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1,5-16,35 and 36</u> is/are rejected	•		
7) Claim(s) <u>18</u> is/are objected to.			
8) Claim(s) are subject to restriction a Application Papers	and/or election requirement.		
9)☐ The specification is objected to by the Exa	ıminer.		
10)☐ The drawing(s) filed on is/are: a)☐	accepted or b)  objected to by	the Examiner.	
Applicant may not request that any objection	<u> </u>	• • • • • • • • • • • • • • • • • • • •	
11)☐ The proposed drawing correction filed on	is: a) approved b)	disapproved by the Examiner.	
If approved, corrected drawings are required			
12)☐ The oath or declaration is objected to by the	ne Examiner.		
Priority under 35 U.S.C. §§ 119 and 120			
13) Acknowledgment is made of a claim for for	oreign priority under 35 U.S.C	. § 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:			
1. Certified copies of the priority docu	ments have been received.		
2. Certified copies of the priority docu	ments have been received in	Application No	
<ul> <li>3. Copies of the certified copies of the application from the Internation</li> <li>* See the attached detailed Office action for</li> </ul>	nal Bureau (PCT Rule 17.2(a))	•	
14)⊡ Acknowledgment is made of a claim for do	·		ation).
a) ☐ The translation of the foreign languages 15)☑ Acknowledgment is made of a claim for do			
Attachment(s)	, , , , , , , , , , , , , , , , , , , ,	<b></b>	
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-943)</li> <li>Information Disclosure Statement(s) (PTO-1449) Paper No.</li> </ol>	48) 5) Notice of	w Summary (PTO-413) Paper No(s) of Informal Patent Application (PTO-152)	_ •

Application/Control Number: 09/653,801

Art Unit: 3737

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1,5,9,10,12,13,15,16,35,36 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Vykhodtseva et al. . Vykhodtseva et al disclose cavitation based ultrasound therapy using pulse durations of 1 millisecond- 1 second and pulse repetition periods of about 200 milliseconds (repetition frequency of 5 Hz), intensity of the emission greater than 750 W/cm² (2000 W/cm²), operating frequency of between 936 KHz and 1720 KHz, and a duty ratio of greater than 8 (200).

Claims 1,5-12,35,36 are rejected under 35 U.S.C. 102(b) as being anticipated by Riedlinger. Riedlinger discloses an ultrasonic device for providing controlled cavitation in tissue to be treated. Riedlinger discloses operating the transducer at a frequency greater than 20 Khz, a pulse duration of less than 100 microseconds and a pulse recurrence rate of less than 1/5T. Any of the claimed parameters clearly fall within these ranges.

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein

Application/Control Number: 09/653,801

Art Unit: 3737

were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 13-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Riedlinger in view of Vykhodtseva et al. Riedlinger discloses a device for providing controlled cavitation in tissue being treated using ultrasonic pulses. Riedlinger fails to specifically disclose the intensity of the ultrasound applied. Vykhodtseva et al disclose cavitation based ultrasound therapy wherein the ultrasound is applied at a intensity greater than 750 W/cm². It would have been obvious to one skilled in the art to have modified Riedlinger such that the intensity of the ultrasound is as taught by Vykhodtseva et al. Such a modification merely involves the selection of a known variable in ultrasound therapy involving cavitation of tissue.

## Allowable Subject Matter

Claim 18 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ruth S Smith whose telephone number is (703) 308-3063. The examiner can normally be reached on M-F 5:30 AM- 2:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marvin Lateef can be reached on (703) 308-3256. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-3590 for regular communications and (703) 308-0758 for After Final communications.

Art Unit: 3737

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Page 4

proceeding should be directed to the receptionist whose telephone number is (703) 308-

Ruth S Smith **Primary Examiner** Art Unit 3737

Any inquiry of a general nature or relating to the status of this application or

RSS December 21, 2002